

## Storm Data and Unusual Weather Phenomena - August 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>IOWA, Northeast</b>				
(IA-Z008) MITCHELL, (IA-Z009) HOWARD, (IA-Z010) WINNESHIEK, (IA-Z011) ALLAMAKEE, (IA-Z018) FLOYD, (IA-Z019) CHICKASAW, (IA-Z029) FAYETTE, (IA-Z030) CLAYTON				
	08/01/12 00:00 CST		0	Drought
	08/31/12 23:59 CST		0	
<p>Persistent below normal precipitation allowed severe drought conditions to continue across all of northeast Iowa. With the continued lack of precipitation portions of southern Clayton and Fayette Counties along with the southwest sections of Floyd County deteriorated to extreme drought. Affects of the drought include damaged crops, pastures that have stopped growing, river flows that were less than 20 percent of normal, falling ground water levels and burning bans. In early August, the U.S. Dept. of Agriculture declared 42 counties in Iowa to be natural disasters areas. This included both Clayton and Fayette Counties. The U.S. Dept. of Agriculture also announced an expansion of emergency haying and grazing on conversation land to bring greater relief to livestock producers dealing with shortages of hay and pastureland. The State of Iowa also announced that 6,000 acres of grasslands enrolled in the Wetland Reserve Program would be opened up to haying and grazing. Ethanol producing plants across Iowa voluntarily slowed production as corn prices rose and supplies tightened. Production was cut about 20 to 30 percent. The Iowa State Climatologist declared the 2012 drought worse than the 1988 event and the worst since 1936 because this years drought has eclipsed 1988 for breadth and severity. The Iowa Dept. of Agriculture started requiring all milk produced or received in the state to be tested for aflatoxin. Aflatoxin can sometimes be found in drought stressed corn, which when consumed by cows could pass into their milk. Aflatoxin is a concern because it is a known carcinogen and can cause damage to a person's liver.</p>				
<b>HOWARD COUNTY --- 0.3 NNE RICEVILLE [43.37, -92.55]</b>				
	08/04/12 09:15 CST		0	Lightning
	08/04/12 09:15 CST	2	0	Source: Newspaper
<p>Two young boys were injured when lightning struck a tree they were taking shelter under while fishing at the Lake Hendricks park and campground near Riceville. One boy was listed in critical condition after being transferred to St. Marys hospital in Rochester, Minnesota. The second boy only received minor injuries and was treated and released from a local hospital.</p> <p>Two young boys were injured when lightning struck a tree they were taking shelter under while fishing at Lake Hendricks near Riceville (Howard County). One boy was seriously injured and transported to a Rochester, MN hospital. The other boy only sustained minor injuries and was treated and released from a local hospital.</p>				
<b>FLOYD COUNTY --- 0.4 WNW CHARLES CITY ARPT [43.07, -92.61]</b>				
	08/08/12 17:45 CST		0	Thunderstorm Wind (MG 55 kt)
	08/08/12 17:45 CST		0	Source: AWOS
<p>The automated weather observing system at the Charles City airport measured a wind gust of 63 miles per hour.</p> <p>A line of thunderstorms produced a wind gust of 63 miles per hour at the Northeast Iowa Regional airport just outside of Charles City (Floyd County) in the evening hours of August 8th.</p>				
<b>WINNESHIEK COUNTY --- 0.7 S DECORAH TATRO ARPT [43.31, -91.83]</b>				
	08/09/12 15:50 CST		0	Hail (2.00 in)
	08/09/12 15:50 CST		0	Source: Public
<p>Hail the size of hen eggs was reported two miles west of Decorah.</p>				
<b>WINNESHIEK COUNTY --- 3.2 NE HAUGENDALE [43.30, -91.90]</b>				
	08/09/12 15:50 CST		10K	Hail (1.75 in)
	08/09/12 15:50 CST		0	Source: Public
<p>Hail ranging in size from quarters to golf ball was reported four miles east of Ridgeway.</p> <p>The large hail damaged a camper.</p>				
<b>WINNESHIEK COUNTY --- 1.0 E CONOVER [43.22, -91.90]</b>				
	08/09/12 16:00 CST		0	Thunderstorm Wind (EG 61 kt)
	08/09/12 16:00 CST		0	Source: Law Enforcement
<p>An estimated wind gust of 70 miles per hour occurred near the intersection of Conover Road and 195th Street northwest of Calmar.</p>				
<b>WINNESHIEK COUNTY --- 0.9 ENE CALMAR [43.19, -91.86]</b>				

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	08/09/12 16:05 CST		0	Thunderstorm Wind (EG 61 kt)
	08/09/12 16:05 CST		0	Source: Fire Department/Rescue

An estimated a wind gust of 70 miles per hour occurred just outside of Calmar.

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### WINNESHIEK COUNTY --- 2.4 NE CALMAR [43.20, -91.84]

08/09/12 16:05 CST	10K	Hail (1.00 in)
08/09/12 16:05 CST	0	Source: COOP Observer

Hail up to the size of quarters fell two miles northeast of Calmar. The hail stripped corn of its leaves and created drifts in road ditches.

**A line of thunderstorms along a cold front moved across northeast Iowa during the late afternoon hours on August 9th. The thunderstorms produced hail up to hen egg size near Decorah (Winneshiek County) and wind gust of 70 miles per hour near Calmar (Winneshiek County).**

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## MINNESOTA, Southeast

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### (MN-Z094) MOWER, (MN-Z095) FILLMORE, (MN-Z096) HOUSTON

08/01/12 00:00 CST	0	Drought
08/31/12 23:59 CST	0	

Persistent below normal precipitation allowed severe drought conditions to continue across portions of southeast Minnesota, including Houston and Fillmore Counties. With the continued lack of precipitation, the severe drought expanded to include Mower County. Affects of the drought include damaged crops, pastures that have stopped growing, river flows that were less than 20 percent of normal, falling ground water levels and high to extreme fire dangers resulting in burning bans.

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### HOUSTON COUNTY --- 4.6 NE EITZEN [43.55, -91.41]

08/02/12 02:27 CST	0	Hail (0.75 in)
08/02/12 02:27 CST	0	Source: County Official

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### HOUSTON COUNTY --- 3.8 SSW RENO [43.55, -91.31]

08/02/12 02:40 CST	0.50K	Thunderstorm Wind (EG 50 kt)
08/02/12 02:40 CST	0	Source: Public

Several four to five foot long tree branches were blown down south of Reno.

**A line of thunderstorms along a cold front produced damaging winds and hail across parts of southeast Minnesota in the early morning hours of August 2nd.**

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### WABASHA COUNTY --- 0.3 SE MAZEPPA [44.28, -92.55]

08/03/12 23:11 CST	1K	Thunderstorm Wind (EG 53 kt)
08/03/12 23:11 CST	0	Source: Law Enforcement

Trees were blown down in Mazeppa.

**A line of thunderstorms ahead of a cold front produced damaging winds across parts of southeast Minnesota in the late evening hours of August 3rd. These storms produced winds primarily below severe limits, but were strong enough around Mazeppa (Wabasha County) to blow down some trees.**

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### WABASHA COUNTY --- 0.2 WNW DUMFRIES [44.35, -92.12]

08/09/12 13:27 CST	0	Hail (0.88 in)
08/09/12 13:27 CST	0	Source: Public

Nickel sized hail fell four miles west-southwest of Wabasha.

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### WABASHA COUNTY --- 3.9 SW CONCEPTION [44.23, -92.15]

08/09/12 13:51 CST	0	Hail (0.88 in)
08/09/12 13:51 CST	0	Source: Trained Spotter

Nickel size hail fell four miles north-northeast of Plainview.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>WINONA COUNTY --- 3.4 SW ELBA [44.04, -92.06]</b>				
	08/09/12 14:20 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/09/12 14:20 CST		0	Source: Amateur Radio
A fifteen inch diameter tree was snapped thirty feet above the ground near Whitewater State Park and other trees in the area were pushed over. Corn was flattened with some snapped on the top portion of the stalks.				
A line of thunderstorms along a cold front moved across southeast Minnesota during the afternoon hours on August 9th. The thunderstorms produced hail up to nickel size near Wabasha (Wabasha County) and Plainview (Wabasha County) and wind damage near Whitewater State Park (Winona County).				
<b>WINONA COUNTY --- 1.4 W WINONA [44.05, -91.68]</b>				
	08/15/12 23:12 CST		3.10K	Lightning
	08/16/12 00:15 CST		0	Source: Newspaper
A lightning strike produced a 2 square foot hole in the roof of a detached garage. The resulting fire was quickly put out with no other damage occurring to the garage.				
A garage in Winona (Winona County) was damaged by a lightning strike as thunderstorms moved through the area during the late evening of August 15th. The roof of the garage had a two square foot hole blown into it by the lightning strike with little other damage occurring.				
<b>WISCONSIN, Southwest</b>				
(WI-Z029) CLARK, (WI-Z034) JACKSON, (WI-Z041) LA CROSSE, (WI-Z042) MONROE, (WI-Z043) JUNEAU, (WI-Z044) ADAMS, (WI-Z053) VERNON, (WI-Z054) CRAWFORD, (WI-Z055) RICHLAND, (WI-Z061) GRANT				
	08/01/12 00:00 CST		0	Drought
	08/31/12 23:59 CST		0	
Persistent below normal precipitation allowed severe drought conditions to expand farther into central Wisconsin. The severe drought was affecting areas along and south of Interstate 90 along with most of Jackson County and the southern portion of Clark County. Affects of the drought include damaged crops, pastures that have stopped growing, river flows that were less than 20 percent of normal, falling ground water levels and high to extreme fire dangers resulting in burning bans. The U.S. Dept. of Agriculture in early August announced an expansion of emergency haying and grazing on conservation land to bring greater relief to livestock producers dealing with shortages of hay and pastureland. The entire state of Wisconsin remained in a state of emergency due to drought. The period of harvesting hay on state owned land ended August 10th for prairie grasses and August 30th for cool season grasses.				
<b>JACKSON COUNTY --- 0.9 NNE PLEASANT VIEW [44.28, -90.82]</b>				
	08/01/12 22:55 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	08/01/12 22:55 CST		0	Source: Law Enforcement
Some trees were blown down along U.S. Highway 12 near the Castle Mound State Forest Area.				
<b>CLARK COUNTY --- 0.9 SE NEILLSVILLE [44.56, -90.59]</b>				
	08/01/12 23:15 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/01/12 23:15 CST		0	Source: Law Enforcement
Power lines and trees were blown down in Neillsville.				
<b>JACKSON COUNTY --- 3.9 ESE PRAY [44.36, -90.42]</b>				
	08/01/12 23:28 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/01/12 23:28 CST		0	Source: Public
A tree was blown down onto a shed southeast of Pray.				
<b>CLARK COUNTY --- 1.1 NNE VEEFKIND [44.71, -90.37]</b>				
	08/01/12 23:44 CST		0	Hail (1.00 in)
	08/01/12 23:44 CST		0	Source: Trained Spotter
<b>VERNON COUNTY --- 1.9 SSE BUD [43.55, -90.96]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/02/12 03:15 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/02/12 03:15 CST		0	Source: Law Enforcement

Trees were blown down in Sidie Hollow County Park.

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### VERNON COUNTY --- 2.4 SW WESTBY [43.63, -90.88]

08/02/12 03:19 CST	1K	Thunderstorm Wind (EG 50 kt)
08/02/12 03:19 CST	0	Source: Law Enforcement

Trees were blown down on West Smith Road south of Westby.

**A cluster of thunderstorms along a cold front produced damaging winds and large hail across parts of central and southwest Wisconsin in the late evening hours of August 1st and in the early morning hours of August 2nd. These storms blew down trees near Viroqua (Vernon County) and power lines in Neillsville (Clark County).**

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### BUFFALO COUNTY --- 0.9 NE FOUNTAIN CITY [44.14, -91.71]

08/15/12 23:00 CST	2K	Thunderstorm Wind (EG 50 kt)
08/15/12 23:00 CST	0	Source: Law Enforcement

Trees were blown down near Fountain City.

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### BUFFALO COUNTY --- 2.9 ESE FOUNTAIN CITY [44.12, -91.66]

08/15/12 23:09 CST	1K	Thunderstorm Wind (EG 50 kt)
08/15/12 23:09 CST	0	Source: Law Enforcement

A large tree was blown down onto County Road M near the intersection of County Road YY just east of Fountain City.

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### TREMPEALEAU COUNTY --- 1.2 E CENTERVILLE [44.07, -91.43]

08/15/12 23:20 CST	0	Thunderstorm Wind (EG 52 kt)
08/15/12 23:23 CST	5K	Source: NWS Employee

Strong winds blew down corn and combined with nickel sized hail stripped crops along and near Highway 35 between Galesville and Centerville.

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### TREMPEALEAU COUNTY --- 2.3 WNW TREMPEALEAU [44.02, -91.47]

08/15/12 23:26 CST	0	Hail (1.00 in)
08/15/12 23:35 CST	0	Source: Park/Forest Service

Quarter sized hail fell for around 10 minutes at Perrot State Park.

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### LA CROSSE COUNTY --- 0.6 SSW HOLMEN [43.96, -91.26]

08/15/12 23:38 CST	2K	Thunderstorm Wind (EG 50 kt)
08/15/12 23:38 CST	0	Source: Law Enforcement

Power lines and tree branches were blown down near the Holmen Police Department.

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### LA CROSSE COUNTY --- 2.0 ENE NEW AMSTERDAM [43.99, -91.28]

08/15/12 23:39 CST	0	Hail (1.50 in)
08/15/12 23:39 CST	0	Source: Social Media

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### LA CROSSE COUNTY --- 2.0 N HOLMEN [44.00, -91.26]

08/15/12 23:39 CST	1K	Thunderstorm Wind (EG 50 kt)
08/15/12 23:39 CST	0	Source: Emergency Manager

Trees were blown down across County Road V and Moe Coulee Road north of Holmen.

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### LA CROSSE COUNTY --- 1.5 E HOLMEN [43.97, -91.22]

08/15/12 23:41 CST	40K	Thunderstorm Wind (EG 50 kt)
08/15/12 23:41 CST	0	Source: Public

A large tree was blown down on a house east of Holmen. Large branches on the tree pierced through the roof allowing water to enter the house.

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### LA CROSSE COUNTY --- 0.4 NE MIDWAY [43.93, -91.24]

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	08/15/12 23:44 CST		0	Thunderstorm Wind (EG 52 kt)
	08/15/12 23:44 CST		0	Source: NWS Employee

An estimated 60 mph wind gust occurred on the south side of Holmen.

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### LA CROSSE COUNTY --- 2.0 SSW COUNCIL BAY [44.02, -91.30]

08/15/12 23:44 CST	0	Hail (1.00 in)
08/15/12 23:44 CST	0	Source: NWS Employee

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### LA CROSSE COUNTY --- 0.9 N BANGOR [43.91, -91.00]

08/15/12 23:57 CST	2K	Thunderstorm Wind (EG 50 kt)
08/15/12 23:57 CST	0	Source: State Official

Trees and power lines were blown down near the intersection of State Highways 162 and 16 north of Bangor.

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### MONROE COUNTY --- 0.3 S LEON [43.88, -90.83]

08/16/12 00:10 CST	0	Thunderstorm Wind (MG 52 kt)
08/16/12 00:10 CST	0	Source: Trained Spotter

A 60 mph wind gust along with one inch hail occurred in Leon.

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### MONROE COUNTY --- 0.7 S SPARTA [43.92, -90.82]

08/16/12 00:10 CST	0	Hail (1.00 in)
08/16/12 00:13 CST	0	Source: Trained Spotter

Dime to quarter sized hail fell and was accompanied by wind gusts of 45 to 50 mph just south of Sparta along Interstate 90 at Exit 25 for State Highway 27.

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### JUNEAU COUNTY --- 1.2 W NEW LISBON [43.88, -90.19]

08/16/12 01:40 CST	1K	Thunderstorm Wind (EG 50 kt)
08/16/12 01:40 CST	0	Source: Law Enforcement

Trees were blown down on County Road A between Hustler and New Lisbon.

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### JUNEAU COUNTY --- 1.2 SE MAUSTON NW LSBN ARPT [43.82, -90.11]

08/16/12 01:50 CST	1K	Thunderstorm Wind (EG 50 kt)
08/16/12 01:50 CST	0	Source: Law Enforcement

Trees were blown down across U.S. Highway 12/State Highway 16 between Mauston and New Lisbon.

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### ADAMS COUNTY --- 1.7 NE PLAINVILLE [43.74, -89.80]

08/16/12 02:16 CST	2K	Thunderstorm Wind (EG 50 kt)
08/16/12 02:16 CST	0	Source: Law Enforcement

Trees were blown down northeast of Plainville.

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### ADAMS COUNTY --- 3.6 SSE ADAMS [43.90, -89.80]

08/16/12 02:21 CST	2K	Thunderstorm Wind (EG 50 kt)
08/16/12 02:21 CST	0	Source: Law Enforcement

Trees were blown down south of Friendship.

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### ADAMS COUNTY --- 3.8 SSE BROOKS [43.77, -89.60]

08/16/12 02:29 CST	2K	Thunderstorm Wind (EG 50 kt)
08/16/12 02:29 CST	0	Source: Law Enforcement

Trees were blown down south of Brooks.

As a cold front moved across Wisconsin, it sparked severe thunderstorms during the late evening of August 15th into the early morning hours of August 16th. These storms produced a path of damaging winds and large hail from the southern portions of Buffalo County to the southeast corner of Adams County. The most concentrated wind damage was near the Trempealeau-La Crosse County line, including communities of Galesville and Holmen, where estimated winds of 60 mph knocked down several trees and power lines. Most of the hail was estimated to be about the size of a quarter with this falling for up to 10 minutes at Perrot State Park (Trempealeau

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County).

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**JACKSON COUNTY --- 1.7 WNW WINNEBAGO MISSION [44.33, -90.81]**

08/24/12 03:20 CST

0.21M

Lightning

08/24/12 09:30 CST

0

Source: Newspaper

A log home was completely destroyed by a fire that was started by a lightning strike. Fire crews were first called to the area around 330 a.m. but found no evidence of a fire and left. They returned to the scene around 5 a.m. to find the home completely engulfed in flames. Three fire departments battled the fire for over 4 hours. Local officials estimated the value of the home and contents at just over \$200,000.

**A lightning strike from early morning thunderstorms on August 24th produced a fire that destroyed a log home north of Black River Falls (Jackson County). Fire crews were originally called to the scene around 330 a.m. but did not find any evidence of a fire and left. They were called back around 5 a.m. and found the home fully engulfed in flames. Local officials estimated the value of the home and its contents at just over \$200,000.**